

10509411_CLS1.txt
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10509411 on June 14, 2006

2/26/03

Original Classifications

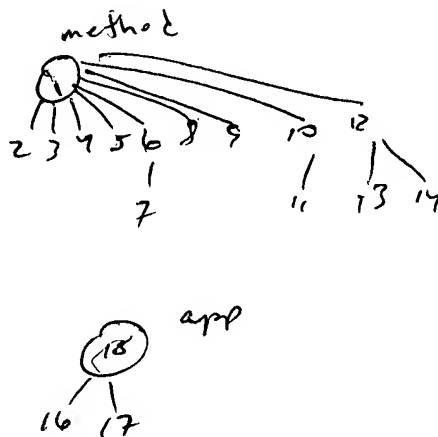
2 348/416.1
2 375/341
2 375/346
2 704/211

Cross-Reference Classifications

3 375/262
2 84/622
2 84/659
2 331/78
2 382/103
2 382/199
2 382/236
2 382/282
2 704/267
2 708/250
2 714/795

Combined Classifications

3 375/262
3 375/341
3 704/211
3 704/267
2 84/622
2 84/659
2 331/78
2 348/416.1
2 375/346
2 382/103
2 382/199
2 382/236
2 382/282
2 382/295
2 705/407
2 708/250
2 714/795



Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10509411 on June 14, 2006

- 3 375/262 (0 OR, 3 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

375/260 .Plural channels for transmission of a single
pulse train
375/261 ..Quadrature amplitude modulation
375/262 ...Maximum likelihood decoder or viterbi
decoder
- 3 375/341 (2 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/316 RECEIVERS
375/340 .Particular pulse demodulator or detector
375/341 ..Maximum likelihood decoder or viterbi decoder
- 3 704/211 (2 OR, 1 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/201 .For storage or transmission
704/211 ..Time
- 3 704/267 (1 OR, 2 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/258 .Synthesis
704/267 ..Time element
- 2 84/622 (0 OR, 2 XR)
Class 084 : MUSIC
84/1 INSTRUMENTS
84/600 .Electrical musical tone generation
84/601 ..Data storage
84/602 ...Digital memory circuit (e.g., RAM, ROM,
etc.)
84/622Tone synthesis or timbre control
- 2 84/659 (0 OR, 2 XR)
Class 084 : MUSIC
84/1 INSTRUMENTS
84/600 .Electrical musical tone generation
84/647 ..Digital combinational circuit
84/659 ...Tone synthesis or timbre control
- 2 331/78 (0 OR, 2 XR)
Class 331 : OSCILLATORS
331/78 ELECTRICAL NOISE OR RANDOM WAVE GENERATOR
- 2 348/416.1 (2 OR, 0 XR)
Class 348 : TELEVISION
348/384.1 BANDWIDTH REDUCTION SYSTEM
348/390.1 .Data rate reduction
348/409.1 ..Involving difference transmission (e.g.,
predictive)

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348/415.1 ...Including temporal prediction (e.g., frame difference)

348/416.1Including motion vector

2 375/346 (2 OR, 0 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/316 RECEIVERS
375/346 .Interference or noise reduction

2 382/103 (0 OR, 2 XR)
Class 382 : IMAGE ANALYSIS
382/100 APPLICATIONS
382/103 .Target tracking or detecting

2 382/199 (0 OR, 2 XR)
Class 382 : IMAGE ANALYSIS
382/181 PATTERN RECOGNITION
382/190 .Feature extraction
382/195 ..Local or regional features
382/199 ...Pattern boundary and edge measurements

2 382/236 (0 OR, 2 XR)
Class 382 : IMAGE ANALYSIS
382/232 IMAGE COMPRESSION OR CODING
382/236 .Interframe coding (e.g., difference or motion detection)

2 382/282 (0 OR, 2 XR)
Class 382 : IMAGE ANALYSIS
382/276 IMAGE TRANSFORMATION OR PREPROCESSING
382/282 .Selecting a portion of an image

2 382/295 (1 OR, 1 XR)
Class 382 : IMAGE ANALYSIS
382/276 IMAGE TRANSFORMATION OR PREPROCESSING
382/293 .Changing the image coordinates
382/295 ..To position or translate an image

2 705/407 (1 OR, 1 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/400 FOR COST/PRICE
705/401 .Postage meter system
705/407 ..Including mailed item weight

2 708/250 (0 OR, 2 XR)
Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
AND CALCULATING
708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER
708/200 .Particular function performed
708/250 ..Random number generation

2 714/795 (0 OR, 2 XR)
Class 714 : ERROR DETECTION/CORRECTION AND FAULT
DETECTION/RECOVERY
714/699 PULSE OR DATA ERROR HANDLING
714/746 .Digital data error correction
714/786 ..Forward error correction by tree code (e.g., convolutional)
714/795 ...Viterbi decoding

PLUS Search Results for S/N 10509411, Searched June 14, 2006

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6461848
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6118765 16
5016256 16

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	993	watermark\$5 and interpolat\$5	US-PGPUB; USPAT	OR	ON	2006/06/14 09:32
L2	682	watermark\$5 and interpolat\$5 and symbol\$5	US-PGPUB; USPAT	OR	ON	2006/06/14 09:32


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((watermark <and> interpolating)<in>metadata)

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» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

- ☐ 1. **Optimal watermark detection on interpolated images under noise**
 Giannoula, A.; Boulgouris, N.V.; Hatzinakos, D.;
[Image Processing, 2004. ICIP '04. 2004 International Conference on](#)
 Volume 4, 24-27 Oct. 2004 Page(s):2187 - 2190 Vol. 4
 Digital Object Identifier 10.1109/ICIP.2004.1421530
[AbstractPlus](#) | Full Text: [PDF](#)(589 KB) IEEE CNF
[Rights and Permissions](#)
- ☐ 2. **Fused watermark detection on noisy interpolated images**
 Giannoula, A.; Boulgouris, N.V.; Hatzinakos, D.;
[Electrical and Computer Engineering, 2004. Canadian Conference on](#)
 Volume 2, 2-5 May 2004 Page(s):1171 - 1174 Vol.2
[AbstractPlus](#) | Full Text: [PDF](#)(365 KB) IEEE CNF
[Rights and Permissions](#)
- ☐ 3. **Watermark Detection for Noisy Interpolated Images**
 Giannoula, A.; Boulgouris, N.V.; Hatzinakos, D.; Plataniotis, K.N.;
[Circuits and Systems II: Express Briefs, IEEE Transactions on \[see also Circuits and Systems II: A](#)
[Signal Processing, IEEE Transactions on\]](#)
 Volume 53, Issue 5, May 2006 Page(s):359 - 363
 Digital Object Identifier 10.1109/TCSII.2006.870213
[AbstractPlus](#) | Full Text: [PDF](#)(248 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 4. **Fingerprinted secret sharing steganography for robustness against image cropping attacks**
 Potdar, V.M.; Han, S.; Chang, E.;
[Industrial Informatics, 2005. INDIN '05. 2005 3rd IEEE International Conference on](#)
 10-12 Aug. 2005 Page(s):717 - 724
 Digital Object Identifier 10.1109/INDIN.2005.1560463
[AbstractPlus](#) | Full Text: [PDF](#)(2985 KB) IEEE CNF
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Results for "((audio <and> watermark)<in>metadata) <and> estimate"

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Your search matched 88 of 1356463 documents.

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((audio <and> watermark)<in>metadata) <and> estimate

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IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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- ☐ 1. **Attacks on digital watermarks: classification, estimation based attacks, and benchmarks**
 Voloshynovskiy, S.; Pereira, S.; Pun, T.; Eggers, J.J.; Su, J.K.;
[Communications Magazine, IEEE](#)
 Volume 39, Issue 8, Aug. 2001 Page(s):118 - 126
 Digital Object Identifier 10.1109/35.940053
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(2536 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 2. **Digital image watermarking using balanced multiwavelets**
 Ghouti, L.; Bouridane, A.; Ibrahim, M.K.; Boussakta, S.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEE](#)
 Volume 54, Issue 4, April 2006 Page(s):1519 - 1536
 Digital Object Identifier 10.1109/TSP.2006.870624
[AbstractPlus](#) | Full Text: [PDF](#)(6096 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 3. **On the use of masking models for image and audio watermarking**
 Robert, A.; Picard, J.;
[Multimedia, IEEE Transactions on](#)
 Volume 7, Issue 4, Aug. 2005 Page(s):727 - 739
 Digital Object Identifier 10.1109/TMM.2005.846781
[AbstractPlus](#) | Full Text: [PDF](#)(848 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 4. **A temporal domain audio watermarking technique**
 Lemma, A.N.; Aprea, J.; Oomen, W.; van de Kerkhof, L.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEE](#)
 Volume 51, Issue 4, April 2003 Page(s):1088 - 1097
 Digital Object Identifier 10.1109/TSP.2003.809372
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(557 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 5. **Attacks on digital audio watermarks and countermeasures**
 Arnold, M.;
[Web Delivering of Music, 2003. 2003 WEDELMUSIC, Proceedings, Third International Conference](#)
 15-17 Sept. 2003 Page(s):55 - 62
 Digital Object Identifier 10.1109/WDM.2003.1233874

[AbstractPlus](#) | Full Text: [PDF](#)(393 KB) IEEE CNF
[Rights and Permissions](#)

- ☐ 6. **1999 IEEE International Conference on Acoustics, Speech, and Signal Processing. Proceeding No.99CH36258)**
[Acoustics, Speech, and Signal Processing, 1999. ICASSP '99. Proceedings., 1999 IEEE International Conference on](#)
Volume 1, 15-19 March 1999
Digital Object Identifier 10.1109/ICASSP.1999.758046
[AbstractPlus](#) | Full Text: [PDF](#)(2636 KB) IEEE CNF
[Rights and Permissions](#)
- ☐ 7. **Blind audio watermark decoding using Independent component analysis**
Sener, S.; Gunesel, B.;
[Pattern Recognition, 2004. ICPR 2004. Proceedings of the 17th International Conference on](#)
Volume 2, 23-26 Aug. 2004 Page(s):875 - 878 Vol.2
Digital Object Identifier 10.1109/ICPR.2004.1334398
[AbstractPlus](#) | Full Text: [PDF](#)(332 KB) IEEE CNF
[Rights and Permissions](#)
- ☐ 8. **Watermarking of audio signals using Independent component analysis**
Toch, B.; Lowe, D.; Saad, D.;
[Web Delivering of Music, 2003. 2003 WEDELMUSIC. Proceedings. Third International Conference](#)
15-17 Sept. 2003 Page(s):71 - 74
Digital Object Identifier 10.1109/WDM.2003.1233877
[AbstractPlus](#) | Full Text: [PDF](#)(286 KB) IEEE CNF
[Rights and Permissions](#)
- ☐ 9. **Multimedia watermarking techniques**
Hartung, F.; Kutter, M.;
[Proceedings of the IEEE](#)
Volume 87, Issue 7, July 1999 Page(s):1079 - 1107
Digital Object Identifier 10.1109/5.771066
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(1372 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 10. **Spread-spectrum watermarking of audio signals**
Kirovski, D.; Malvar, H.S.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEEE Transactions on\]](#)
Volume 51, Issue 4, April 2003 Page(s):1020 - 1033
Digital Object Identifier 10.1109/TSP.2003.809384
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(1399 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 11. **Data-hiding codes**
Moulin, P.; Koetter, R.;
[Proceedings of the IEEE](#)
Volume 93, Issue 12, Dec. 2005 Page(s):2083 - 2126
Digital Object Identifier 10.1109/JPROC.2005.859599
[AbstractPlus](#) | Full Text: [PDF](#)(1456 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 12. **Efficiently self-synchronized audio watermarking for assured audio data transmission**
Shaoquan Wu; Jiwu Huang; Daren Huang; Shi, Y.Q.;
[Broadcasting, IEEE Transactions on](#)
Volume 51, Issue 1, March 2005 Page(s):69 - 76
Digital Object Identifier 10.1109/TBC.2004.838265
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(616 KB) IEEE JNL
[Rights and Permissions](#)

13. **Digital watermarking: algorithms and applications**
Podilchuk, C.I.; Delp, E.J.;
[Signal Processing Magazine, IEEE](#)
Volume 18, Issue 4, July 2001 Page(s):33 - 46
Digital Object Identifier 10.1109/79.939835
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(1180 KB) IEEE JNL
[Rights and Permissions](#)
14. **Performance analysis of correlation-based watermarking schemes employing Markov chaot**
Tefas, A.; Nikolaidis, A.; Nikolaidis, N.; Solachidis, V.; Tsekeridou, S.; Pitas, I.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEE](#)
Volume 51, Issue 7, July 2003 Page(s):1979 - 1994
Digital Object Identifier 10.1109/TSP.2003.811245
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(857 KB) IEEE JNL
[Rights and Permissions](#)
15. **Data-hiding in audio using frequency-selective phase alteration**
Ansari, R.; Malik, H.; Khokhar, A.;
[Acoustics, Speech, and Signal Processing, 2004. Proceedings. \(ICASSP '04\). IEEE International C](#)
Volume 5, 17-21 May 2004 Page(s):V - 389-92 vol.5
Digital Object Identifier 10.1109/ICASSP.2004.1327129
[AbstractPlus](#) | Full Text: [PDF](#)(274 KB) IEEE CNF
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16. **An asymmetric watermarking system with many embedding watermarks corresponding to o**
watermark
Tae Young Kim; Hyuk Choi; Kiryung Lee; Taejeong Kim;
[Signal Processing Letters, IEEE](#)
Volume 11, Issue 3, March 2004 Page(s):375 - 377
Digital Object Identifier 10.1109/LSP.2003.822923
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(144 KB) IEEE JNL
[Rights and Permissions](#)
17. **SpeechFind: Advances In Spoken Document Retrieval for a National Gallery of the Spoken V**
Hansen, J.H.L.; Rongqing Huang; Bowen Zhou; Seadle, M.; Deller, J.R., Jr.; Gurijala, A.R.; Kurimo
[Speech and Audio Processing, IEEE Transactions on](#)
Volume 13, Issue 5, Part 1, Sept. 2005 Page(s):712 - 730
Digital Object Identifier 10.1109/TSA.2005.852088
[AbstractPlus](#) | Full Text: [PDF](#)(1688 KB) IEEE JNL
[Rights and Permissions](#)
18. **Robust optimum detection of transform domain multiplicative watermarks**
Qiang Cheng; Huang, T.S.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEE](#)
Volume 51, Issue 4, April 2003 Page(s):906 - 924
Digital Object Identifier 10.1109/TSP.2003.809374
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(1211 KB) IEEE JNL
[Rights and Permissions](#)
19. **An integrated decoding framework for audio watermark extraction**
Yaslan, Y.; Gunsul, B.;
[Pattern Recognition, 2004. ICPR 2004. Proceedings of the 17th International Conference on](#)
Volume 2, 23-26 Aug. 2004 Page(s):879 - 882 Vol.2
Digital Object Identifier 10.1109/ICPR.2004.1334399
[AbstractPlus](#) | Full Text: [PDF](#)(275 KB) IEEE CNF
[Rights and Permissions](#)
20. **A novel spread spectrum audio watermarking scheme based on time-frequency characterist**

Esmaili, S.; Krishnan, S.; Raahemifar, K.;

[Electrical and Computer Engineering, 2003. IEEE CCECE 2003. Canadian Conference on](#)
Volume 3, 4-7 May 2003 Page(s):1963 - 1966 vol.3

[AbstractPlus](#) | Full Text: [PDF](#)(340 KB) IEEE CNF

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21. A new Wiener filtering based detection scheme for time domain perceptual audio watermark

Larbi, S.; Jaidane, M.; Moreati, N.;

[Acoustics, Speech, and Signal Processing, 2004. Proceedings. \(ICASSP '04\). IEEE International C](#)
Volume 5, 17-21 May 2004 Page(s):V - 949-52 vol.5

Digital Object Identifier 10.1109/ICASSP.2004.1327269

[AbstractPlus](#) | Full Text: [PDF](#)(567 KB) IEEE CNF

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22. Watermarking sinusoidal audio representations by quantization index modulation in multipl

Yi-Wen Liu; Smith, J.O.;

[Acoustics, Speech, and Signal Processing, 2004. Proceedings. \(ICASSP '04\). IEEE International C](#)
Volume 5, 17-21 May 2004 Page(s):V - 373-6 vol.5

Digital Object Identifier 10.1109/ICASSP.2004.1327125

[AbstractPlus](#) | Full Text: [PDF](#)(431 KB) IEEE CNF

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23. Reversible data embedding into Images using wavelet techniques and sorting

Kamstra, L.; Heijmans, H.J.A.M.;

[Image Processing, IEEE Transactions on](#)

Volume 14, Issue 12, Dec. 2005 Page(s):2082 - 2090

Digital Object Identifier 10.1109/TIP.2005.859373

[AbstractPlus](#) | Full Text: [PDF](#)(368 KB) IEEE JNL

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24. Self-synchronized audio watermark in DWT domain

Shaoquan Wu; Jiwu Huang; Daren Huang; Shi, Y.Q.;

[Circuits and Systems, 2004. ISCAS '04. Proceedings of the 2004 International Symposium on](#)
Volume 5, 23-26 May 2004 Page(s):V-712 - V-715 Vol.5

[AbstractPlus](#) | Full Text: [PDF](#)(243 KB) IEEE CNF

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25. Two-band amplitude scale estimation for quantization-based watermarking

Jinshen Wang; Shterev, I.D.; Legendijk, R.L.;

[Intelligent Signal Processing and Communication Systems, 2005. ISPACS 2005. Proceedings of 21](#)
Symposium on

13-16 Dec. 2005 Page(s):137 - 140

Digital Object Identifier 10.1109/ISPACS.2005.1595365

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» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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- ☐ 1. **Two-sided controlled transition in biorthogonal time-varying filter banks**
 Lemma, A.N.; Deprettere, E.F.;
[Signal Processing Letters, IEEE](#)
 Volume 3, Issue 2, Feb. 1996 Page(s):47 - 50
 Digital Object Identifier 10.1109/97.484214
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(324 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 2. **Time-varying biorthogonal filter banks: a state-space approach**
 Lemma, A.N.; Deprettere, E.F.;
[Circuits and Systems I: Fundamental Theory and Applications, IEEE Transactions on \[see also Circuits and Systems I: Fundamental Theory and Applications, IEEE Transactions on\]](#)
 Volume 45, Issue 3, March 1998 Page(s):280 - 289
 Digital Object Identifier 10.1109/81.662701
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(448 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 3. **Multiresolution ESPRIT algorithm**
 Lemma, A.N.; van der Veen, A.-J.; Deprettere, E.F.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEEE Transactions on\]](#)
 Volume 47, Issue 6, June 1999 Page(s):1722 - 1726
 Digital Object Identifier 10.1109/78.765149
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(188 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 4. **Analysis of joint angle-frequency estimation using ESPRIT**
 Lemma, A.N.; van der Veen, A.-J.; Deprettere, E.F.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEEE Transactions on\]](#)
 Volume 51, Issue 5, May 2003 Page(s):1264 - 1283
 Digital Object Identifier 10.1109/TSP.2003.810306
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1470 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 5. **A temporal domain audio watermarking technique**
 Lemma, A.N.; Aprea, J.; Oomen, W.; van de Kerkhof, L.;
[Signal Processing, IEEE Transactions on \[see also Acoustics, Speech, and Signal Processing, IEEE Transactions on\]](#)
 Volume 51, Issue 4, April 2003 Page(s):1088 - 1097
 Digital Object Identifier 10.1109/TSP.2003.809372

[AbstractPlus](#) | [References](#) | Full Text: [PDF\(557 KB\)](#) IEEE JNL
[Rights and Permissions](#)

6. **A robustness and audibility analysis of a temporal envelope modulating audio watermark**
Lemma, A.N.; Aprea, J.; Oomen, W.; van de Kerkhof, L.;
[Digital Signal Processing Workshop, 2002 and the 2nd Signal Processing Education Workshop, Pr. IEEE 10th](#)
13-16 Oct. 2002 Page(s):62 - 67
Digital Object Identifier 10.1109/DSPWS.2002.1231077

[AbstractPlus](#) | Full Text: [PDF\(426 KB\)](#) IEEE CNF
[Rights and Permissions](#)
7. **Analysis of ESPRIT based joint angle-frequency estimation**
Lemma, A.N.; van der Veen, A.J.; Deprettere, Ed. F.;
[Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings, 2000 IEEE International](#)
Volume 5, 5-9 June 2000 Page(s):3053 - 3056 vol.5
Digital Object Identifier 10.1109/ICASSP.2000.861181

[AbstractPlus](#) | Full Text: [PDF\(300 KB\)](#) IEEE CNF
[Rights and Permissions](#)
8. **Experimental analysis of antenna coupling for high-resolution DOA estimation algorithms**
Lemma, A.N.; Deprettere, Ed.F.; van der Veen, A.-J.;
[Signal Processing Advances in Wireless Communications, 1999. SPAWC '99, 1999 2nd IEEE Wor](#)
9-12 May 1999 Page(s):362 - 365
Digital Object Identifier 10.1109/SPAWC.1999.783093

[AbstractPlus](#) | Full Text: [PDF\(284 KB\)](#) IEEE CNF
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